

In the Specification:

Please amend the paragraph of the specification beginning at page 4, line 24, as follows:

Referring to Figure 2C, a view of the back plate 40 of the chassis 30 is shown. The back plate 40 includes vents for the fans 34 and a number of input/output ports 46. The input/output ports 46 are provided to connect a controller 48 (not visible because it is internal to the chassis 30) to the primary storage location 18 through the network connection 22. For more details on the features and operation of the emulated tape drive 20, see co-pending US application entitled "Storage System Utilizing An Active Subset of Drives During Data Storage And Retrieval Operations" by Thomas B. Bolt and Kevin C. Daly, U.S. Patent Publication No. US 2003-0149840 A1 ~~attorney docket no. Q02-1037-US4~~, filed concurrently herewith incorporated herein by reference for all purposes.

Please amend the paragraph of the specification beginning at page 5, line 3, as follows:

Referring to Figure 3, a block diagram of one embodiment of the controller 48 configured for the [[the]] emulated tape drive 20 illustrated in Figures 2A-2C is shown. With this embodiment, the controller 48 includes a micro-controller 50, such as a microprocessor, configured to communicate with the hard drives 36 of the disk packs 44 through a USB controller 52, a USB hub 54 and bridge circuit 56. For the sake of simplicity, these components are shown for only one disk pack 44. The remaining four disk packs 44 of the right rail 42R and all of the disk packs 44 of the left rail 42L communicate with the micro-controller 50 in a similar arrangement. In situations where the network connection 22 is fiber channel, the micro-controller 50 is connected to the primary storage location 18 through an optical transceiver 58 and a fiber channel controller 60. Alternatively, when the network connection 22 is a Giga-bit Fast ethernet

connection, the micro-controller 50 is connected to the primary storage location 18 through an ethernet transceiver 62 and an ethernet controller 64. It should be pointed out that these two connections are merely illustrative. In various embodiments of the present invention, multiple fiber channel ports and/or multiple ethernet channel ports, either alone or in any combination, can be provided. Alternate interfaces such as parallel SCSI (Small Computer System Interface) may also be substituted or used in conjunction with fire channel or Ethernet. Additionally, alternate internal interconnect technologies such as fibre channel or parallel SCSI could be used instead of USB.

Please amend the paragraph of the specification beginning at page 6, line 30, as follows:

When compressed data on the emulated tape drive 20 is needed, it is retrieved and provided to the micro-controller 50. The data is decompressed using the software algorithms stored in the Flash memory 68 and provided to the primary storage location 18 through appropriate input/output port 44. Since compression algorithms are typically asymmetric, data decompression is not nearly as computationally intensive as compression, and the performance of the emulated tape drive 20 during data retrieval is not significantly degraded using a software solution.

Please amend the paragraph of the specification beginning at page 7, line 6, as follows:

The present invention thus provides an emulated tape device used for the backup of archival data that uses a software based data compression algorithm. Since the compression occurs when the emulated tape drive 20 is idle, the rate at which data is stored during a backup operation is not adversely effected in ~~anyway~~ any way.